

Amendments to the Specification

Please replace the paragraph beginning at page 7, line 23 with the following amended paragraph:

The invention can include on-the-fly encryption of source code combined with on-the-fly decryption before compiling. The phrase on-the-fly, as used herein with respect to encryption, is defined as not having to create all the source code for an entire file first and then encrypting it. A portion of the file is created and then encrypted and then written to a buffer. Similarly, the phrase on-the-fly, as used herein with respect to decryption, is defined as not having to decrypt all the source code for a file first and then compiling it. As above, the granularity of on-the-fly decryption is limited only by the minimum bit string length required by a given decryption scheme. The source code can be decrypted (and then compiled) a few lines at a time, one line at a time, or less than one line at a time (e.g., one file ~~file~~ at a time).

Please replace the paragraph spanning pages 9-10 with the following amended paragraph:

Example 1

Referring to FIG. 1, a program that generates source code 110 can include an encryption module 115. Encrypted source code is written to an encrypted source code buffer 120. In this example, encrypted source code is written in sub-file batches containing one line of code. When the encrypted source code is ready for compiling by a compiler 130 (e.g., when a complete encrypted line has been written to the buffer 120), a decryption module 135 within the compiler 130 decrypts the encrypted source code line. Of course, decryption can be delayed until after the entire encrypted source code file is written, or until after multiple encrypted lines of source code have been written. In this example, the decryption by module 135 is one line at a time and commences as soon as possible. Matching the size of the decryption field to the size of the encryption field can reduce latency within the buffer 120, thereby reducing total process time.